

A Higher Level of Performance



Data Sheet

CorFlo™ CMFM

Coriolis Mass Flow Meter



For more information, please visit >
www.hawkmeasurement.com

Overview & Specifications

CorFlo™ CMFM

Coriolis Mass Flow Meter



Principle of Operation

The CorFlo™ CMFM Coriolis Mass Flow Meters are the leading precision flow and density measurement solution offering the most accurate and repeatable mass measurement for liquids, or slurries. CorFlo™ meters offer the most accurate measurement available for virtually any process fluid, while exhibiting exceptionally low pressure drop.

Sensor Specifications

Accuracy	±0.1 ~ 0.5%
Repeatability	±0.1 ~ 0.25%
Density Measurement Range	0.5 ~ 2g/cm ³ , Accuracy: ±0.002 g/cm ³
Operating Temperature	-58 to 392°F (min: -328 to max: 572°F)
Ambient Temperature	-40 to 140°F
Measuring Tube Material	SS316L
Housing Material	SS304
Nominal Pressure	4.0MPa ; Max:35MPa
Ex-Proof Rating	Ex-Proof: Exd (ia) II C T6Gb

Transmitter Specifications

Ambient Temperature	-4 ~ 140°F
Display Info	Mass flow: Volume flow, Density, Temperature
Display Mode	LCD
Power Supply	24VDC / 220 VAC
Output Signal	Pulse / 4-20mA
Communication	Modbus
Ex-Proof Rating	Ex d ib IIC T6 Gb

Specifications subject to change

Features and Benefits

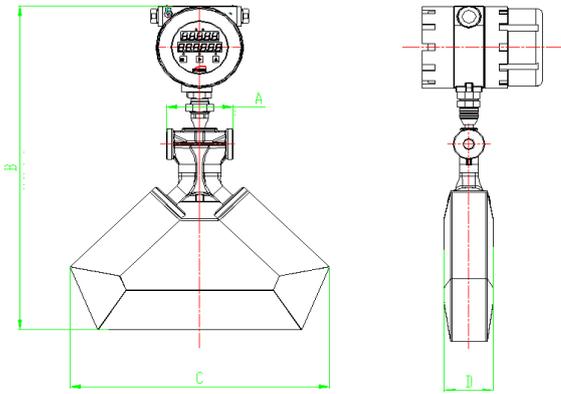
- Unchallengeable performance on liquid mass flow, volume flow and density measurement
- Unique design delivers unparalleled measurement sensitivity and stability
- Guarantees consistent, reliable performance over the widest flow range
- Designed to minimize process, mounting, and environmental effect

Dimensions

CorFlo™ CMFM
Coriolis Mass Flow Meter

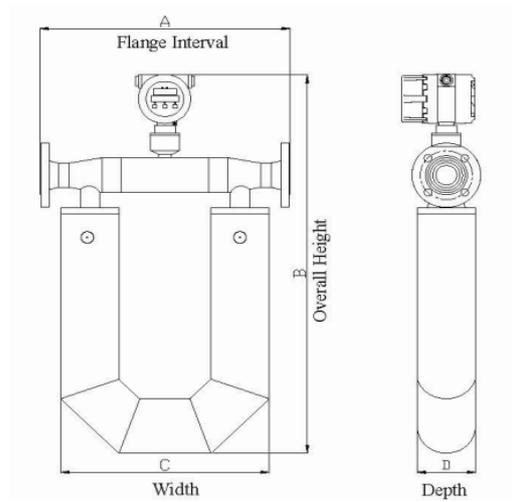


Dimensions



UNIT: INCHES

PART NUMBER	A	B	C	D
CMFM-010	17.7	23.2	14.9	2.3
CMFM-015	17.9	23.2	14.9	2.3



UNIT: INCHES

PART NUMBER	A	B	C	D
CMFM-020	21.2	29.1	18.4	4.2
CMFM-025	21.2	29.1	18.4	4.2
CMFM-040	23.6	39.7	19.6	5.5
CMFM-050	23.4	39.7	19.6	5.5
CMFM-080	34.2	53.7	30.7	8.6
CMFM-100	37.4	56.6	32.6	10.7
CMFM-150	51.1	60.6	45.0	12.7

Ordering Information

CorFlo™ CMFM
Coriolis Mass Flow Meter



Ordering Information

HAWK Model Number Builder MODEL

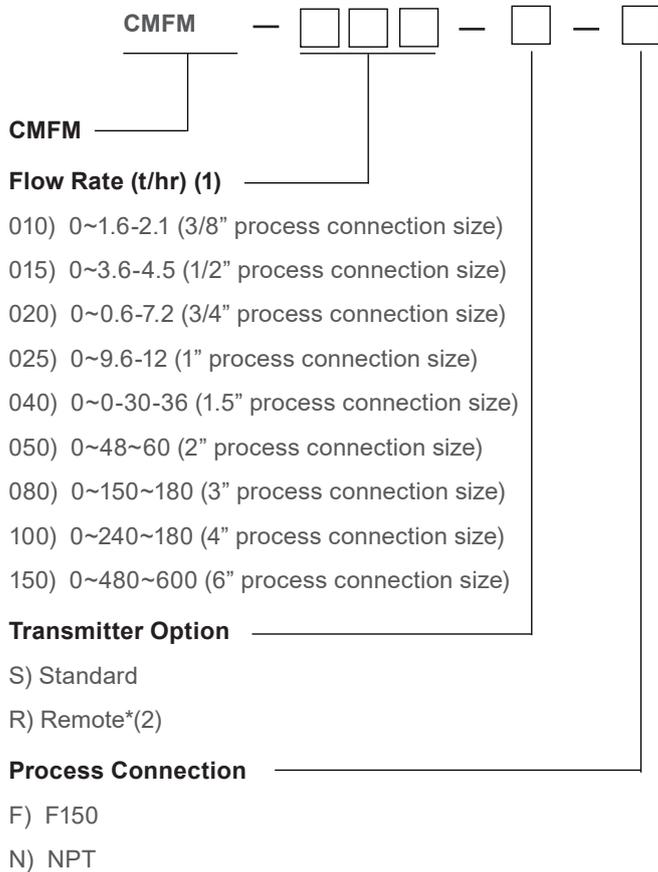
For Assistance Call 877.356.5463

Use the diagram below, working from left to right to construct your HAWK Model Number.

Simply match the category number to the corresponding box number.

Example: CMFM-050-S-N

CORFLO™ CMFM Coriolis Mass Flow Meter with 0~48~60 t/hr flow rate with a standard transmitter and NPT Process Connection.



*Remote Transmitter Option



Mounting bracket will be equipped for remote type
Cable length for standard configuration is 6 feet
Use cable gland to connect transmitter and sensor
(cable gland protection is IP67)

Ordering Notes:

- (1) Select the best configuration based on your requirements
- (2) Specify cable length required, standard = 6 feet

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Additional product warranty and application guarantees upon request.

Technical data subject to change without notice.